Title (en)

ARCHITECTURE, METHOD AND SYSTEM OF MULTIPLE HIGH-SPEED SERVERS FOR WDM BASED PHOTONIC BURST-SWITCHED NETWORKS

Title (de)

ARCHITEKTUR, VERFAHREN UND SYSTEM VON MEHRFACHEN HOCHGESCHWINDIGKEITSSERVERN FÜR WDM-BASIERTE, OPTISCHE NETZWERKE MIT BURSTSCHALTUNG

Title (fr)

ARCHITECTURE, PROCEDE ET SYSTEME DE MISE EN RESEAU DE SERVEURS HAUTE VITESSE MULTIPLES DANS DES RESEAUX COMMUTES PAR RAFALES PHOTONIQUES A MULTIPLEXAGE EN LONGUEUR D'ONDE

Publication

EP 1616452 B1 20110720 (EN)

Application

EP 04720398 A 20040312

Priority

• US 2004007633 W 20040312
• US 41782303 A 20030416

Abstract (en)

[origin: US2004208171A1] A modular reconfigurable multi-server system for use in a wavelength-division-multiplexed based photonic burst switched (PBS) network with variable time slot provisioning. An optical high-speed I/O module within the multi-server system enables it to serve as an edge node in the PBS network. The optical I/O module statistically multiplexes the incoming packets (e.g., IP packets or Ethernet frames) received from a legacy network, generates control and data bursts, which are then scheduled for transmission over the PBS network. The optical I/O module then optically transmits and receives the scheduled optical bursts according to traffic priority and available network resources.

IPC 8 full level

H04Q 11/00 (2006.01)

CPC (source: EP KR US)

H04B 10/25 (2013.01 - KR); **H04Q 11/00** (2013.01 - KR); **H04Q 11/0066** (2013.01 - EP US); H04Q 11/0071 (2013.01 - EP US); H04Q 2011/0064 (2013.01 - EP US)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 41782303 A 20030416; AT 04720398 T 20040312; CN 200480016665 A 20040312; EP 04720398 A 20040312; KR 20057019621 A 20051014; TW 93107309 A 20040318; US 2004007633 W 20040312